Pavel Alekseychik

List of Publications by Year
in descending order

27	870	471477 17	526264 27
papers	citations	h-index	g-index

36	36	36	1570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. Nature Climate Change, 2020, 10, 555-560.	18.8	106
2	FLUXNET-CH₄: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. Earth System Science Data, 2021, 13, 3607-3689.	9.9	79
3	Temporal Variation of Ecosystem Scale Methane Emission From a Boreal Fen in Relation to Temperature, Water Table Position, and Carbon Dioxide Fluxes. Global Biogeochemical Cycles, 2018, 32, 1087-1106.	4.9	78
4	Monthly gridded data product of northern wetland methane emissions based on upscaling eddy covariance observations. Earth System Science Data, 2019, 11, 1263-1289.	9.9	69
5	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. Global Change Biology, 2021, 27, 3582-3604.	9.5	59
6	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the landâ€“atmosphereâ€“oceanâ€“society continuum in the northern Eurasian region. Atmospheric Chemistry and Physics, 2016, 16, 14421-14461.	4.9	57
7	Latent heat exchange in the boreal and arctic biomes. Global Change Biology, 2014, 20, 3439-3456.	9.5	52
8	Effect of the 2018 European drought on methane and carbon dioxide exchange of northern mire ecosystems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190517.	4.0	34
9	Gap-filling eddy covariance methane fluxes: Comparison of machine learning model predictions and uncertainties at FLUXNET-CH4 wetlands. Agricultural and Forest Meteorology, 2021, 308-309, 108528.	4.8	33
10	Reconstruction of Holocene carbon dynamics in a large boreal peatland complex, southern Finland. Quaternary Science Reviews, 2016, 142, 1-15.	3.0	32
11	Net ecosystem exchange and energy fluxes measured with the eddy covariance technique in a western Siberian bog. Atmospheric Chemistry and Physics, 2017, 17, 9333-9345.	4.9	31
12	The biophysical climate mitigation potential of boreal peatlands during the growing season. Environmental Research Letters, 2020, 15, 104004.	5.2	31
13	Refining the role of phenology in regulating gross ecosystem productivity across European peatlands. Global Change Biology, 2020, 26, 876-887.	9.5	25
14	Importance of vegetation classes in modeling CH4 emissions from boreal and subarctic wetlands in Finland. Science of the Total Environment, 2016, 572, 1111-1122.	8.0	23
15	Species-specific temporal variation in photosynthesis as a moderator of peatland carbon sequestration. Biogeosciences, 2017, 14, 257-269.	3.3	22
16	Small spatial variability in methane emission measured from a wet patterned boreal bog. Biogeosciences, 2018, 15, 1749-1761.	3.3	21
17	Boreal bog plant communities along a water table gradient differ in their standing biomass but not their biomass production. Journal of Vegetation Science, 2018, 29, 136-146.	2.2	17
18	Multi-year methane ebullition measurements from water and bare peat surfaces of a patterned boreal bog. Biogeosciences, 2019, 16, 2409-2421.	3.3	17

#	Article	IF	Citations
19	Relationship between aerodynamic roughness length and bulk sedge leaf area index in a mixedâ€species boreal mire complex. Geophysical Research Letters, 2017, 44, 5836-5843.	4.0	15
20	Varying Vegetation Composition, Respiration and Photosynthesis Decrease Temporal Variability of the CO2 Sink in a Boreal Bog. Ecosystems, 2020, 23, 842-858.	3.4	11
21	PAN-EURASIAN EXPERIMENT (PEEX) PROGRAM: AN OVERVIEW OF THE FIRST 5 YEARS IN OPERATION AND FUTURE PROSPECTS. Geography, Environment, Sustainability, 2018, 11, 6-19.	1.3	11
22	The Multiscale Monitoring of Peatland Ecosystem Carbon Cycling in the Middle Taiga Zone of Western Siberia: The Mukhrino Bog Case Study. Land, 2021, 10, 824.	2.9	9
23	GROUND-BASED STATION NETWORK IN ARCTIC AND SUBARCTIC EURASIA: AN OVERVIEW. Geography, Environment, Sustainability, 2016, 9, 75-88.	1.3	9
24	Terpene emissions from boreal wetlands can initiate stronger atmospheric new particle formation than boreal forests. Communications Earth & Environment, 2022, 3, .	6.8	8
25	A Microbial Functional Groupâ€Based CH₄ Model Integrated Into a Terrestrial Ecosystem Model: Model Structure, Siteâ€Level Evaluation, and Sensitivity Analysis. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001867.	3.8	7
26	Eddies in motion: visualizing boundary-layer turbulence above an open boreal peatland using UAS thermal videos. Atmospheric Measurement Techniques, 2021, 14, 3501-3521.	3.1	6
27	Carbon balance of a Finnish bog: temporal variability and limiting factors based on 6Âyears of eddy-covariance data. Biogeosciences, 2021, 18, 4681-4704.	3.3	5